

CLAIMS

1. An analytical tool comprising a substrate, a capillary which is formed on the substrate and into which a sample liquid is
5 to be loaded by movement of the sample liquid in the capillary;
wherein the substrate is provided with a liquid movement preventer for preventing the sample liquid loaded into the capillary from moving further.
- 10 2. The analytical tool according to claim 1, wherein the liquid movement preventer includes a stepped portion projecting from the substrate.
3. The analytical tool according to claim 2, wherein the stepped
15 portion comprises a conductive layer formed on the substrate and an insulating layer covering the conductive layer.
4. The analytical tool according to claim 3, further comprising
a plurality of electrodes provided on the substrate for applying
20 voltage to the sample liquid.
5. The analytical tool according to claim 4, wherein the
conductive layer is formed as a dummy electrode which does not
contribute to the voltage application to the sample liquid.
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6. The analytical tool according to claim 5, wherein the dummy
electrode is formed simultaneously with the plurality of

electrodes.

7. The analytical tool according to claim 4, wherein the plurality of electrodes include a detection electrode for detecting
5 whether or not the sample liquid of an amount necessary for analysis is supplied into the capillary, and

wherein the conductive layer is provided by the detection electrode.

10 8. The analytical tool according to claim 4, further comprising an air vent for discharging air from the capillary in moving the sample liquid in the capillary,

wherein the insulating layer includes an opening which exposes part of the electrodes and which extends along the
15 capillary; and

wherein, as viewed in a thickness direction of the substrate, a most downstream point of the opening in a flow direction of the sample liquid is located on a same line or almost same line as a most upstream point of the air vent in the flow direction
20 of the sample liquid.

9. The analytical tool according to claim 1, wherein the liquid movement preventer includes a recess provided at the substrate.

25 10. The analytical tool according to claim 9, wherein the recess comprises a through-hole penetrating through the substrate.

11. The analytical tool according to claim 10, further comprising an air vent for discharging air from the capillary in moving the sample liquid in the capillary,

wherein the air vent is arranged coaxially or generally
5 coaxially with the through-hole in a thickness direction of the substrate.

12. The analytical tool according to claim 9, further comprising an air vent for discharging air from the capillary in moving
10 the sample liquid in the capillary,

wherein, as viewed in a thickness direction of the substrate, a most upstream point of the recess in a flow direction of the sample liquid is located on a same line or almost same line as a most upstream point of the air vent in the flow direction
15 of the sample liquid.